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SECURITY INFORMATION

Chemistry Division's Suggested Changes to SE-14

Change paragraph E. Chemical Warfare to read as follows:

7. The USSR can probably engage in chemical warfare for extended periods at a sacrifice to other segments of chemical economy. It had stocks of conventional chemical warfare agents and probably has maintained usable stocks of such agents. Nerve gas may have been in production since 1949. Chemical industrial capability is increasing and may become an important adjunct to Chemical Warfare activities.

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FEB 17 1953

Biology Division suggested changes to:
DRAFT SE 14 SOVIET BW CAPABILITY BY 1955

It is estimated that by 1955 the Soviets will have a capability to produce BW agents and munitions for limited scale operations by overt methods or for overt use in support of other major weapon systems. It is probable that full-scale overt BW capability of the saturation attack strategy can not be accomplished prior to 1957.

The major threat from a BW attack by 1955 will remain strongly in favor of covert operations. By that time Russia will have been able to produce a variety of stable, virulent, highly pathogenic agents resistant to many of the antibiotics, drugs and preventative measures available for protection of man, animals and crops.

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75917

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Ex

Achievement of a high level of combat effectiveness may have been retarded by lack of combat experience. However, intensive training has been underway for five years.

Page 9, paragraph 17 -delete the third sentence.

Page 10, paragraph 18 - Targeting and Bombing Accuracy -
delete the paragraph and insert the following:

The USSR is able to obtain all the data necessary for identification of targets in the United States under visual and blind bombing conditions. The USSR possesses optical bomb sights equivalent to US World War II type bomb sights. Soviet aviators could therefore be expected to execute satisfactory bomb placement under visual conditions. The USSR is equipping its TU-4 medium bombers and IL-28 light bombers aircraft with blind bombing/navigation radars similar to the U.S. AN/APS-15 and AN/APQ-13. The accuracy of the Soviet blind bombing system is estimated to be about 3000 feet ^{CEP}~~cep~~ (circular error, probable) at the present time. The USSR has adequate navigation facilities for use within the Soviet Bloc and there is evidence of experimental operation of a low frequency pulsed hyperbolic navigation system similar to Loran which if it becomes operational should provide coverage over most of the Western USSR and over most of Western

Europe. It is considered likely that the USSR will utilize extensively Approved For Release 2000/08/29 : CIA-RDP79S01011A000800050021-4

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has receivers available to utilize ~~US~~ Loran and doubtless is in a position to utilize British Consol *radio navigation system*

Page 11, paragraph 20, Electronic Countermeasures - delete the paragraph and insert the following:

The USSR has developed a very high capability for jamming radio transmissions up to and including HF bands. Soviet capabilities in related electronics fields indicate that they are now capable of developing equipment for jamming VHF and UHF bands. We estimate that today the USSR can seriously disrupt communications between the continental US and its overseas facilities and Allies and further we believe that the USSR will increase its effectiveness as well as the proficiency in number of its trained personnel throughout the period of this estimate.

Page 18, paragraph 33, Soviet Air Defense - This paragraph should be deleted and the conclusions of SIE-5 insofar as they compare with the SEC version of NIE 65 regarding present situation and insofar as security classification permits should be substituted for paragraph 33.

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^{direct}
Altho we have no ~~evidence to substantiate~~
we believe that within the period of this est
the USSR could build a minimum of 3
~~space~~ space satellites capable of orbiting
around any area of the world at an
altitude of X miles & carrying with
them Y atomic weapons. etc etc etc.

The parallel is quite accurate,
though magnitude of a somewhat different
scale. 75

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19 February 1953

MEMORANDUM FOR: Mr. W. Barrett McDonald, IGIS

SUBJECT : SE-36: Soviet Capabilities for Attack on
the US through Mid-1955

1. The attached draft has been prepared by the O/NE Staff on the basis of existing national and departmental estimates.

2. Where different estimates exist on important points (e.g., the range of the TU-4), we have included both estimates.

3. This text has not been reviewed by the Board of National Estimates. The primary purpose of circulating it to you now is to get working-level review and amendments in order to permit a revision of the text along the lines which it would have taken had there been time to get written contributions from you in the first instance.

4. This draft, together with recommend changes, will be discussed at a joint meeting of the Board of National Estimates and the departmental representatives at 10:00, Wednesday, 25 February, in Room 146 South Building, 2430 E Street, N. W. Please be prepared to attend.

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